

Recombinant Human EBP1 Protein

Catalog No.: RP03200 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5036	Q9UQ80

Tags

N-His

Synonyms

EBP1; HG4-1; p38-2G4; PA2G4

Background

EBP1, also known as PA2G4, is an RNA-binding protein that belongs to the peptidase M24 family. It can be detected in several cell lines tested, including primary and transformed cell lines. EBP1 also present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein is a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. PA2G4 can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. EBP1 has been implicated in growth inhibition and the induction of differentiation of human cancer cells. It seems to be involved in growth regulation. EBP1 also mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site).

Product Information

Source	Purification
E.coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
45.2 kDa	45-50 kDa

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from sterile 20 mM Tris, 0.5 M NaCl, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Basic Information

Description

Recombinant Human EBP1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ser2-Asp394) of human EBP1 (Accession #Q9UQ80) fused with His tag at the N-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

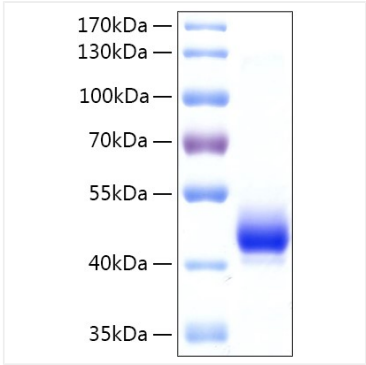
Contact

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Validation Data



Recombinant Human EBP1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.